

Attorney Docket No. 020089

**IN THE FIGURES**

Figure 1 is resubmitted herewith and marked "Prior Art."

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**REMARKS**

The applicants have studied the Office Action dated December 13, 2004, and have made amendments to claims 1, 5 and 15. It is submitted that the application, as amended, is in condition for allowance. Reconsideration and allowance of all of the claims in view of the above amendments and the following remarks are respectfully requested.

The Examiner objected to the drawings. The amendments to the drawings are shown in red, and claims 5 and 15 also have been amended to address the objection to the drawings.

Claims 1 and 15 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite. Claims 1 and 15 have been amended to overcome the objection.

Claims 1-20 were rejected under 35 U.S.C. § 102(b) as being anticipated by Lu. This rejection is respectfully traversed.

Claim 1 recites "an adaptive filter configured for producing an echo signal based on a set of coefficients, wherein said adaptive filter holds said set of coefficients constant when said double talk detector detects said double talk condition." (emphasis added). Claims 6, 11 and 16 recite a similar language. The Lu reference cited by the examiner does not disclose an adaptive filter that holds a set of coefficients constant when a double talk detector detects a double talk condition, as recited in the claims.

In the Lu reference, the AFIR filter 38 executes a normalized least-mean square procedure to adapt the internal coefficients to accurately model echo signal 28 and cancel the echo signal from the Near-End signal. (See col. 4, lines 14-22 of the reference). However, the Lu reference does not disclose an adaptive filter that holds a set of coefficients constant when a double talk detector detects a double talk condition, as recited in the claims.

Thus, claims 1, 6, 11, 16 and their dependent claims distinguish over the art of record.

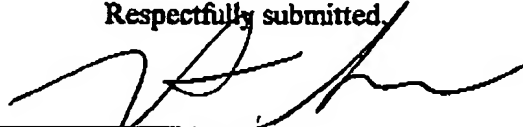
Therefore, it is respectfully submitted that the rejection of claims 1-20 under 35 U.S.C. §102(b) should be withdrawn.

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In view of the foregoing, it is respectfully submitted that the application and all of the claims are in condition for allowance. Reexamination and reconsideration of the application, as amended, are requested.

No new claims have been added and no claim fee is due herein. If there are any fees due in connection with the filing of this response, please charge such fees to our Deposit Account No. 17-0026. If a fee is required for an extension of time under 37 C.F.R. 1.136 not accounted for, such an extension is requested and the fee should also be charged to our Deposit Account. A duplicate copy of this page is enclosed.

Dated: 6/13/05  
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